

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Previously Presented) A control device for carrying out a predetermined process in response to a trigger signal from a sensor, comprising:
 - a signal input unit connected to the sensor configured to receive said trigger signal;
 - a detector connected to an image capturing unit configured to receive continuous images and detect a change in the images by analyzing the images obtained from said image capturing unit;
 - a determining unit which determines that said trigger signal is a valid signal when said detector detects no change in the images within a predetermined time from the input of said trigger signal to said signal input unit; and
 - a controller configured to carry out a predetermined process when said trigger signal is determined to be a valid signal by the determining unit.
2. (Canceled)
3. (Previously Presented) The control device according to claim 1, wherein said sensor detects an intruding object into a predetermined monitoring area in which images are captured by said image capturing unit.
4. (Original) The control device according to claim 1, wherein said detector detects whether or not any moving object exists in each of the images in an image stream that continues in time series, which are obtained from said image capturing unit.
5. (Canceled)

6. (Previously Presented) The control device according to claim 1, wherein said controller carries out different processes between a case where said trigger signal is not determined as a valid signal by said determining unit and that where said trigger signal is determined as a valid signal by said determining unit.

7. (Previously Presented) The control device according to claim 1, further comprising:
a recorder recording continuous images obtained from said image capturing unit, wherein
said controller controls said recorder so as to record the continuous images obtained from said image capturing unit, when said determining unit determines said trigger signal as a valid signal.

8. (Previously Presented) The control device according to claim 1, wherein when said trigger signal is determined as a valid signal by said determining unit, said controller outputs a signal used for activating an external apparatus connected to the control device.

9. (Canceled)

10. (Previously Presented) The control device according to claim 1, further comprising:
a sound-data storage unit storing sound data, wherein
when said trigger signal is determined as a valid signal by said determining unit, said controller generates sound based upon sound data stored in said sound-data storage unit.

11. (Previously Presented) The control device according to claim 1, further comprising:
a communication unit carrying out data communications with an external apparatus, wherein

when said trigger signal is determined as a valid signal by said determining unit, said controller allows said communication unit to output information indicating the result of determination to said external apparatus.

12.-15. (Canceled)

16. (Previously Presented) A control method of carrying out a predetermined process in response to a trigger signal from a sensor, comprising the steps of:
receiving the trigger signal from the sensor;
receiving continuous images from an image capturing unit;
detecting a change in the images by analyzing the images;
determining said trigger signal is a valid signal when no change is detected in the images within a predetermined time from the input of said trigger signal; and
carrying out a predetermined process when said trigger signal is determined as a valid signal.

17. (Previously Presented) The control method according to claim 16, wherein said change in the images is detected by determining whether or not any moving object exists in each of the images in an image stream that continues in time series.

18. (Previously Presented) The control method according to claim 16, wherein: said predetermined process includes a process to record the images.

19. (Canceled)

20. (Previously Presented) A control device for carrying out a predetermined process in response to a trigger signal, comprising:
a signal input unit configured to receive said trigger signal;
a detector configured to receive continuous images from an image capturing unit and to detect a change in the images by analyzing the images obtained from said image capturing unit;

a determining unit which determines said trigger signal is an invalid signal when said detector detects a change in the images within a predetermined time period between a first time from the input of said trigger signal to said signal input unit and a second time subsequent to said first time, and determines said trigger signal is a valid signal when said detector detects a change in images before said first time or after said second time; and

a controller carrying out a predetermined process when said trigger signal is determined as a valid signal by the determining unit.

21. (Previously Presented) The control device according to claim 20, wherein said signal input unit is connected to a sensor which generates said trigger signal.

22. (Previously Presented) The control device according to claim 21, wherein said sensor unit detects an intruding object into a predetermined monitoring area from which the continuous images are captured by said image capturing unit.

23. (Previously Presented) The control device according to claim 20, wherein said detector detects whether or not any moving object exists in each of the continuous images in an image stream that continues in time series.

24. (Previously Presented) The control device according to claim 20, wherein said controller carries out different processes between a case where said trigger signal is determined as an invalid signal by said determining unit and that where said trigger signal is determined as a valid signal by said determining unit.

25. (Previously Presented) The control device according to claim 20, further comprising:

a recorder recording the continuous images obtained from said image capturing unit, wherein

said controller controls said recorder so as to record the continuous images obtained from said image capturing unit when said determining unit determines said trigger signal as a valid signal.

26. (Previously Presented) The control device according to claim 20, wherein when said trigger signal is determined as a valid signal by said determining unit, said controller outputs a signal used for activating an external apparatus connected to the control device.

27. (Previously Presented) The control device according to claim 20, further comprising:

a sound-data storage unit storing sound data, wherein when said trigger signal is determined as a valid signal by said determining unit, said controller generates sound based upon sound data stored in said sound-data storage unit.

28. (Previously Presented) The control device according to claim 20, further comprising:

a communication unit carrying out data communications with an external apparatus, wherein when said trigger signal is determined as a valid signal by said determining unit, said controller allows said communication unit to output information indicating the result of determination to said external apparatus.

29. (Previously Presented) A computer readable medium encoded with a program which can be run by a computer to which a trigger signal and continuous images are inputted, said program causing the computer to implement a method comprising the steps of:

receiving said trigger signal;
receiving said continuous images;
detecting a change in the continuous images by analyzing the continuous images that are received after the input of said trigger signal;

determining said trigger signal is an invalid signal when a change in images is detected within a predetermined time period between a first time from the input of said trigger signal and a second time subsequent to said first time, and determining said trigger signal as a valid signal when a change in images is detected before said first time or after said second time; and

carrying out a predetermined process when said trigger signal is determined as a valid signal.

30. (Previously Presented) A control method of carrying out a predetermined process in response to a trigger signal, comprising the steps of:

receiving the trigger signal;

receiving continuous images from an image capturing unit;

detecting a change in the images by analyzing the images;

determining said trigger signal is an invalid signal when a change in the images is detected within a predetermined time period between a first time from the input of said trigger signal and a second time subsequent to said first time, and determining said trigger signal is a valid signal when a change in images is detected before said first time or after said second time; and

carrying out a predetermined process when said trigger signal is determined as a valid signal.

31. (Previously Presented) The control method according to claim 30, wherein said change in images is detected by determining whether or not any moving object exists in each of the images in an image stream that continues in time series.

32. (Previously Presented) The control method according to claim 30, wherein; said predetermined process includes a process to record the continuous images.

33. (New) A control device for carrying out a predetermined process in response to a trigger signal from a sensor, comprising:

a signal input unit connected to a sensor and configured to receive a trigger signal;

a detector connected to an image capturing unit configured to receive continuous images and detect a change in the images by analyzing the images obtained from the image capturing unit;

a determining unit, responsive to said detector, configured to determine whether the trigger signal is a valid signal, said determining unit determining that the trigger signal is a valid signal when said detector detects no change in images that are received in the period of time after the trigger signal until a time-out; and

a controller configured to carry out a predetermined process when the trigger signal is determined to be a valid signal by said determining unit.

34. (New) A control device for carrying out a predetermined process in response to a trigger signal from a sensor, comprising:

a signal input unit connected to a sensor and configured to receive a trigger signal;

a detector connected to an image capturing unit configured to receive continuous images and detect a change in the images by analyzing the images obtained from the image capturing unit;

a determining unit, responsive to said detector, configured to determine whether the trigger signal is a valid signal, said determining unit determining that the trigger signal is an invalid signal when said detector detects a change in images within a predetermined time period between a first time after the input of the trigger signal and a second time subsequent to the first time, and said determining unit determining that the trigger signal is a valid signal when said detector detects a change in images before the first time or after the second time; and

a controller configured to carry out a predetermined process when the trigger signal is determined to be a valid signal by said determining unit.